

voice packet (e.g., PI). However, the present invention can be applied to a case where a voice packet containing data that corresponds to a voice of music, for example, is transmitted mono-directionally.

Further, the higher threshold TH mentioned above is set at the position that corresponds to the queue length in the middle of 100 packets and 99 packets. However, in actual arrangement, the higher threshold TH will be often set at a position of about 30 packets. It is noted that the actual capacity of the buffer memory 32 will be often set at about 200 packets.

As described above, according to the present invention, an examination is made of vocal properties kept by the sequence of voice information that is contained by a plurality of voice packets that constitute a queue stored in a buffer memory, and, based on an examination result, processing is applied to the queue. Therefore, the quality of voice packet communications to be obtained can be improved.